

## Air Ionizer Verification Record

Ionizer Verification Sequence Number: 08-041

WORKING STANDARD USED						
Asset/ISO #:	Manufacturer:	Model:	Serial No.	Calibration Date:	Calibration Due:	Calibration By:
25171	ION	775	6779	8/8/07	8/8/08	JPL

AIR IONIZER INFORMATION						
Asset/ISO #:	Manufacturer:	Model:	Serial No.	Verification Date:	Verification Due:	Verification By:
28333	Simco	Aerostat PC	33674227T	4-10-08	7-19-08	JPL 8g
Inspector:	Location:	Owner:	Fail: Y/N ?	Cleaned: Y/N ?	Adjusted: Y/N ?	Prior Sequence#
Minh Do	303/311 -PAM/ BT	Jose Fernandez	N	N	N	NA

VERIFICATION DATA						
HBM Sensitivity Level: <u>50 V</u> (from Table 1)						
Fan controller setting: <u>High</u> (High, Low, NA)						
Distance of ionizer from the charge plate: <u>30"</u>						
Ionizer Float Potential Tolerance $\pm$ <u>50</u> Vdc. (from Table 1)						
Measured Float Potential values recorded below.						
1	2	3	4	5	Comments:	
<u>10</u> Vdc.	<u>-20</u> Vdc.	<u>-30</u> Vdc.	<u>-30</u> Vdc.	<u>-20</u> Vdc.		
Ionizer Discharge Voltage Range: $\pm$ 1000 Vdc to $< \pm$ <u>50</u> Vdc (from Table 1)						
Ionizer Discharge Time Tolerance: <u>20</u> seconds. (from Table 1)						
Measured Discharge Time in second(s) and recorded values below.						
1 (+1000 to +Vdc)	2 (+1000 to +Vdc)	3 (+1000 to +Vdc)	4 (+1000 to +Vdc)	5 (+1000 to +Vdc)	Comments:	
<u>13.1</u> sec	<u>4.4</u> sec	<u>4.4</u> sec	<u>4.3</u> sec	<u>4.0</u> sec		
1 (-1000 to -Vdc)	2 (-1000 to -Vdc)	3 (-1000 to -Vdc)	4 (-1000 to -Vdc)	5 (-1000 to -Vdc)	Comments:	
<u>9.9</u> sec	<u>12.4</u> sec	<u>14.0</u> sec	<u>15.8</u> sec	<u>16.4</u> sec		

**Record** any corrective action required to restored ionizer operation (cleaning, adjustment, replacement, etc.)

If Ionizer was replaced, indicate below the identification of replacement.

Asset/ISO #: \_\_\_\_\_ Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Serial No.: \_\_\_\_\_

Sequence number for verification of replacement Ionizer: \_\_\_\_\_

**Record** inspection schedule and rational for that schedule.